

Items Supplied >

- 1 – Fi2000R-ARB FUEL INJECTION MODULE
- 1 – 6" #18 ZIP TIE
- 1 – VELCRO STRIP

Application(s) >

Suzuki Boulevard M109R 2006-2009

Instruction Manual >

92-1845-50

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Read all instructions carefully and completely before installing your new Fi2000R-ARB module.

It is recommended that a qualified mechanic or technician install this product.

Before installing the Fi2000R-ARB it is recommended that the gas tank be low on fuel.

1. Remove the seat. Remove the bolt on the fuel tank console and slip the console free of the mounting pins. Remove the bolt from the rear of the fuel tank and lift the back of the fuel tank up enough to unplug the wire connector (brown in color). Now by pushing the two blue tabs on the fuel line quick-disconnect at the base of the fuel tank, pull the fuel line free of the tank. Remove the fuel tank, taking care to keep the console clear as you lift it away.
2. Loosen the two air filter boot clamps securing the boots to the main air intake housing. Remove the two bolts that retain each air filter housing, then pull the air filter housings free from the motorcycle.
3. Unplug the factory fuel injector connector on the right side and attach the matching Fi2000 connector from the longer Fi2000 harness onto the right side injector. Plug the original injector harness connector into the black Fi2000 connector and tuck that connector up and out of the way, so that the air intake boot may be re-installed, see Figure 2. Repeat this procedure for the left side injector, see Figure 1.
4. Re-install the air filter housings, routing the left side harness up and over the air intake boot, then tighten the air boot clamps. Ziptie the Fi2000 harness to the main bike harness and Velcro the Fi2000 control module as shown in Figure 3.
5. Attach the black ground wire to the negative post of the battery. Re-install the fuel tank. Before reinstalling the seat, verify connections.
6. Remove the door from the Fi2000 module to expose the LED's. Verify the wire connections by, (1), turning on the ignition while watching the 3 LED's. They will all light up for a few seconds, and then go off. This is correct. If there are no lights visible, make sure the side stand is up, bike is in neutral, clutch is in and handlebar engine switch is set to run. If there are still no lights visible, re-check that all connectors are fully engaged and the ground wire is connected correctly.

Continued to next page!

*** It is recommended that you always wear a helmet while riding. Please never operate your motorcycle while under the influence of alcohol and/or drugs. Enjoy the new power of your motorcycle and please ride safely.**

6. Cont. (2), After achieving a steady light from all three LED's, start the motorcycle; the green light should now be the only LED on. If all three LED's are still on after start up, verify the injector connectors are correctly attached. Reattach the access door when finished and install remaining components. **NOTE:** Make sure the ignition is turned off before changing any connection.

ADVANCED TUNING

The Fi2000R-ARB module works differently than previous Fi2000 products in that it is designed to meet emissions levels for on road use of your vehicle.

All adjustments and settings are performed within the microprocessor of the Fi2000R-ARB and there is no customer interface.

In standard cruise mode, the motorcycle retains the stock, proper air-fuel ratio as it was designed from the original manufacturer. The Fi2000R-ARB only adjusts fuel mixture during hard acceleration and on top end power and then the proper amount of fuel to ensure best drivability and performance within acceptable emission ranges.

These settings have been tested for stock motorcycles that have popular aftermarket exhaust systems installed.

TROUBLE SHOOTING:

If you have any problems refer to: **Step 6**, in the installation body of these instructions.

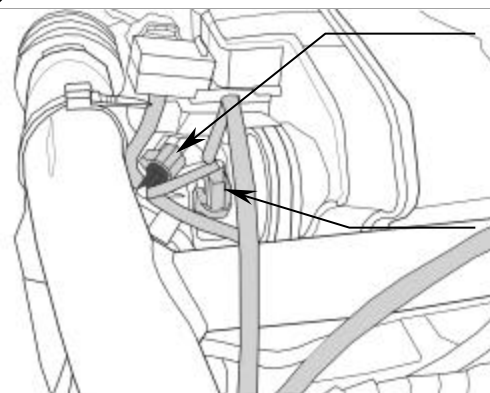


FIGURE 1: LEFT SIDE INJECTOR

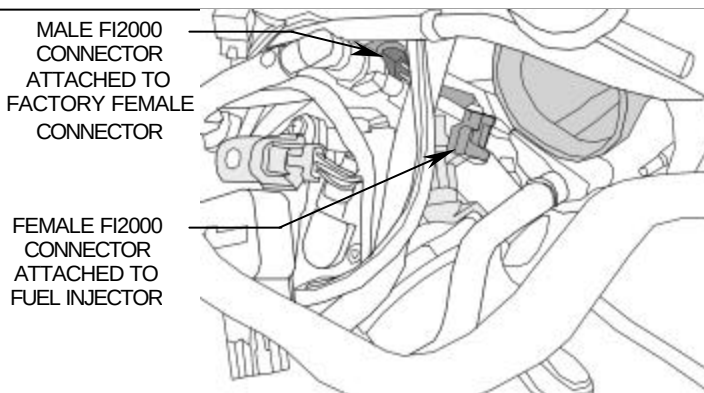


FIGURE 2: RIGHT SIDE INJECTOR

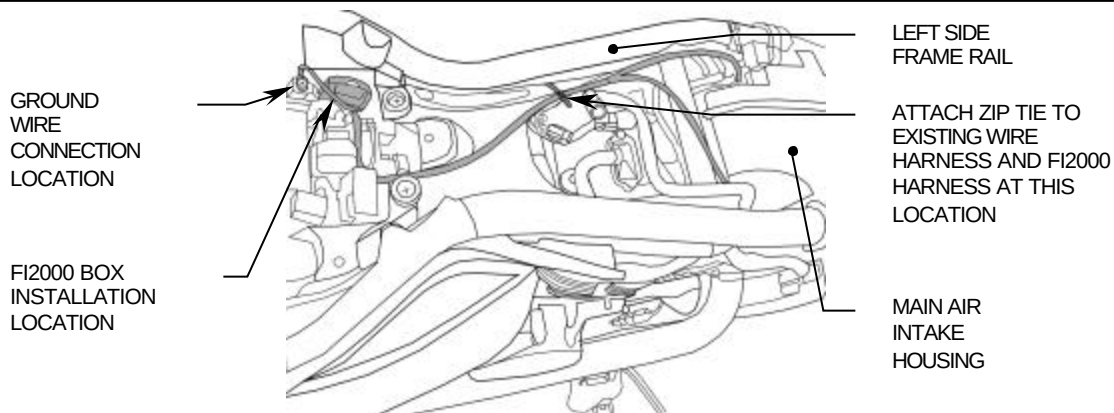


FIGURE 3: Fi2000 ECU & HARNESS INSTALLATION LOCATION AND ROUTING